

Inventor: EWEL  
Docket No.: 854.51US01  
Title: ELECTRONICALLY CONTROLLED FULL POWER BRAKE VALVE  
Serial No.: 09/827,335  
Sheet 1 of 10

FIG. 1  
PRIOR ART

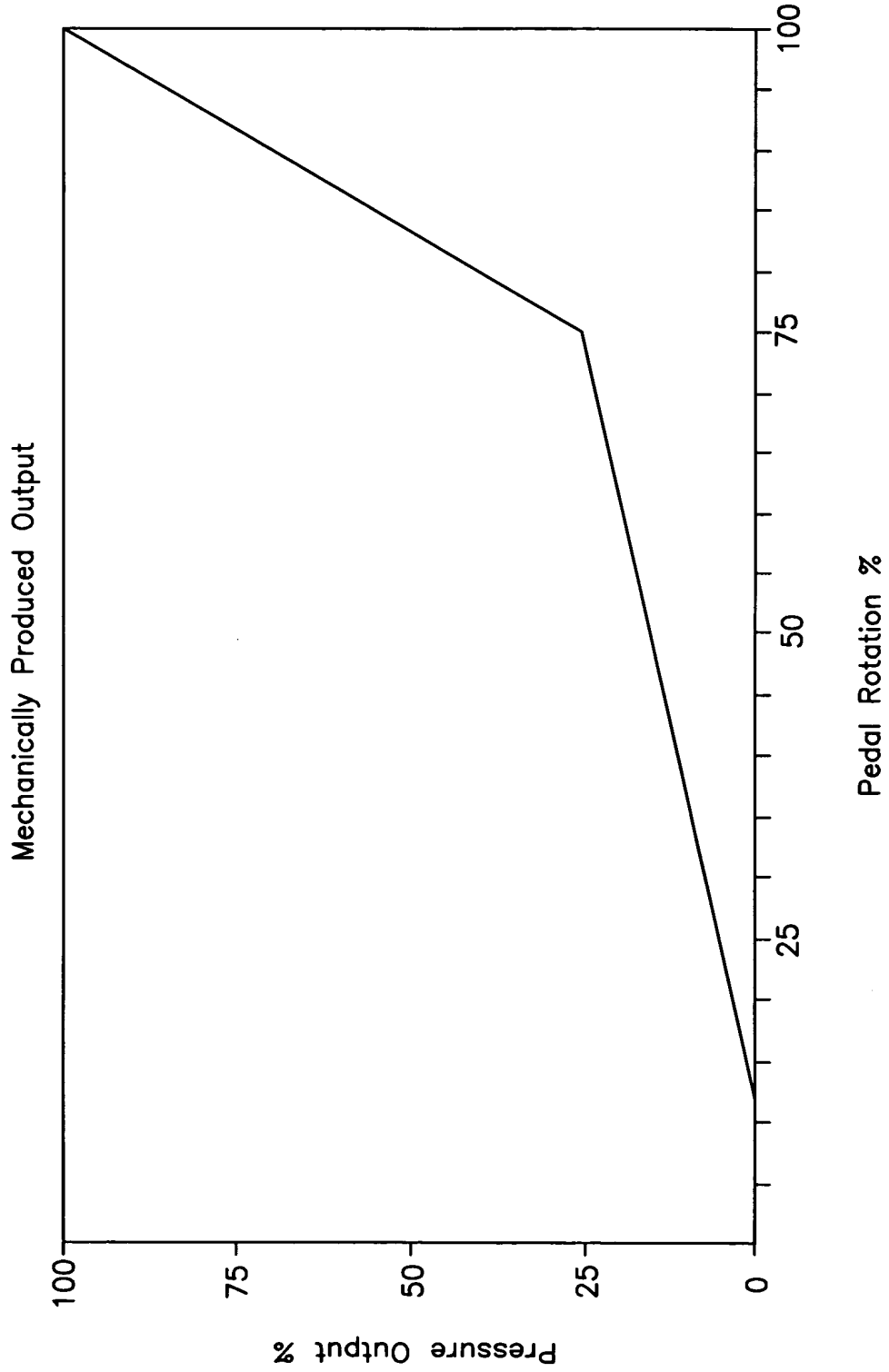
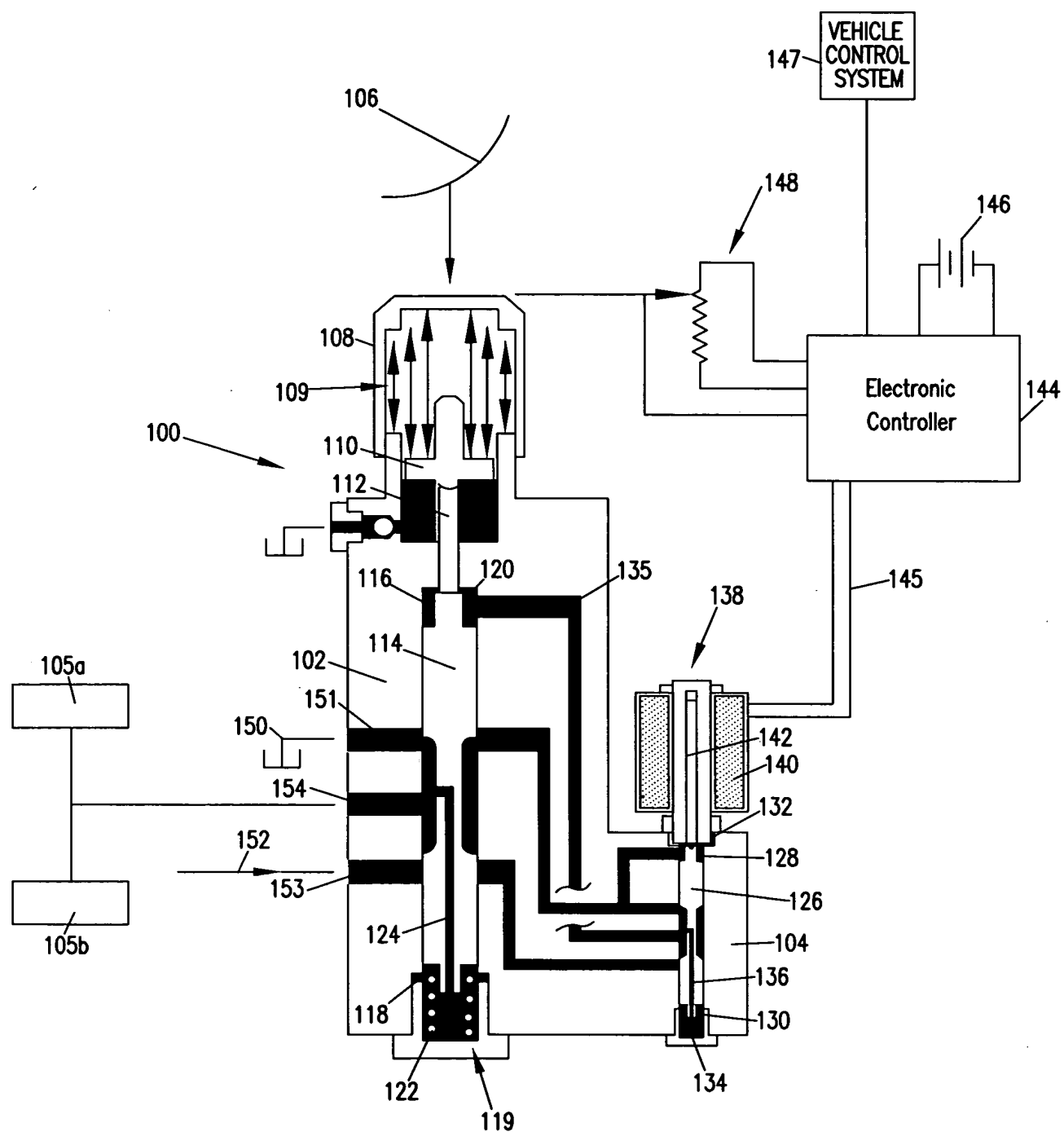




FIG. 2







The diagram illustrates a hydraulic control system. A pump (120) is connected to a spool valve (116) via a line (122). The spool valve (116) is controlled by a solenoid (118) and a pressure sensor (119). The spool valve (116) directs flow to a secondary valve (114) and a wheel cylinder (150). The secondary valve (114) is controlled by a solenoid (124) and a pressure sensor (122). The secondary valve (114) directs flow to a wheel cylinder (153) and a wheel cylinder (153a). The wheel cylinder (150) is connected to a wheel (151) via a line (152). The wheel cylinder (153) is connected to a wheel (153a) via a line (154). The wheel cylinder (153a) is connected to a wheel (153a) via a line (154a).

[illegible]



FIG. 7

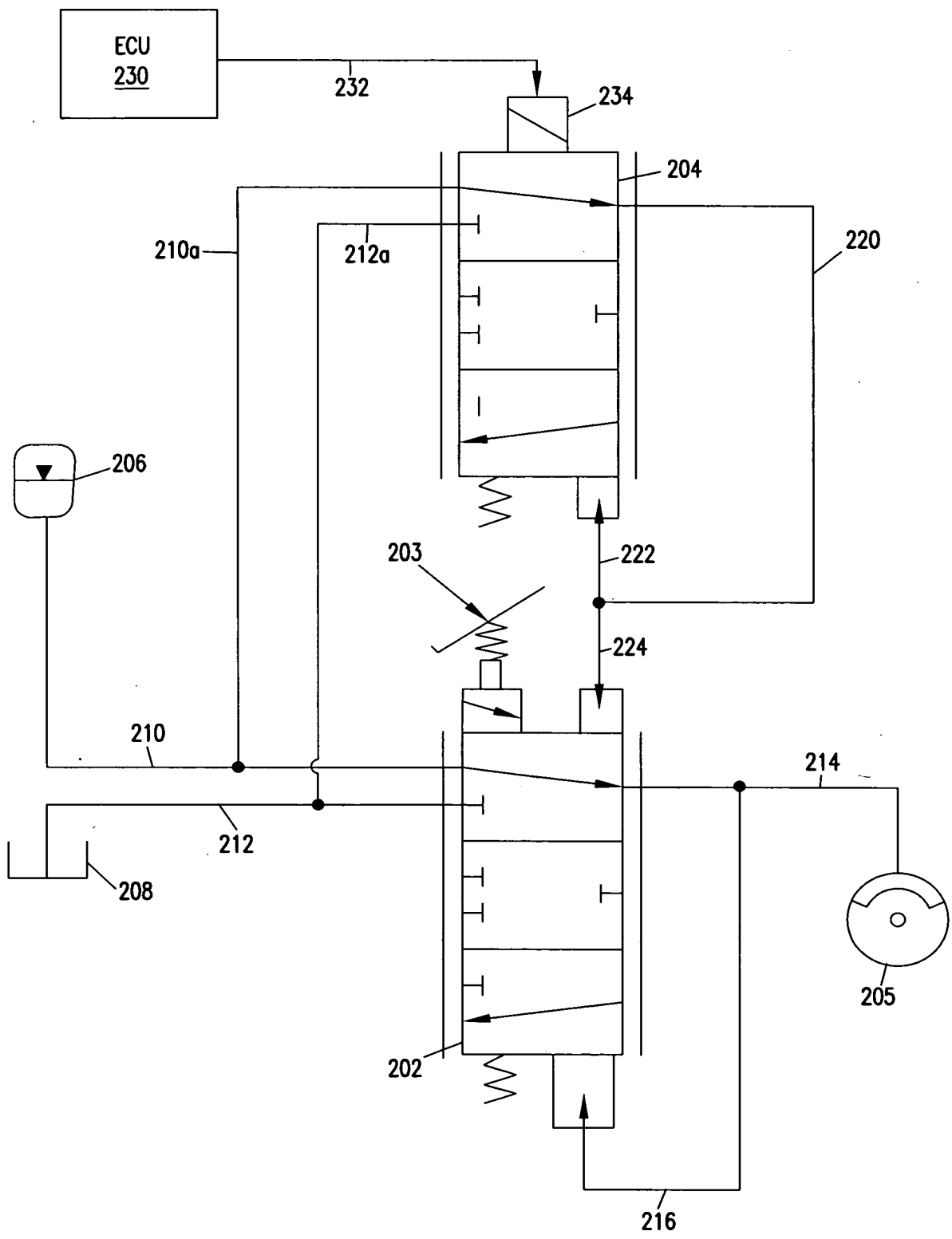




FIG. 8

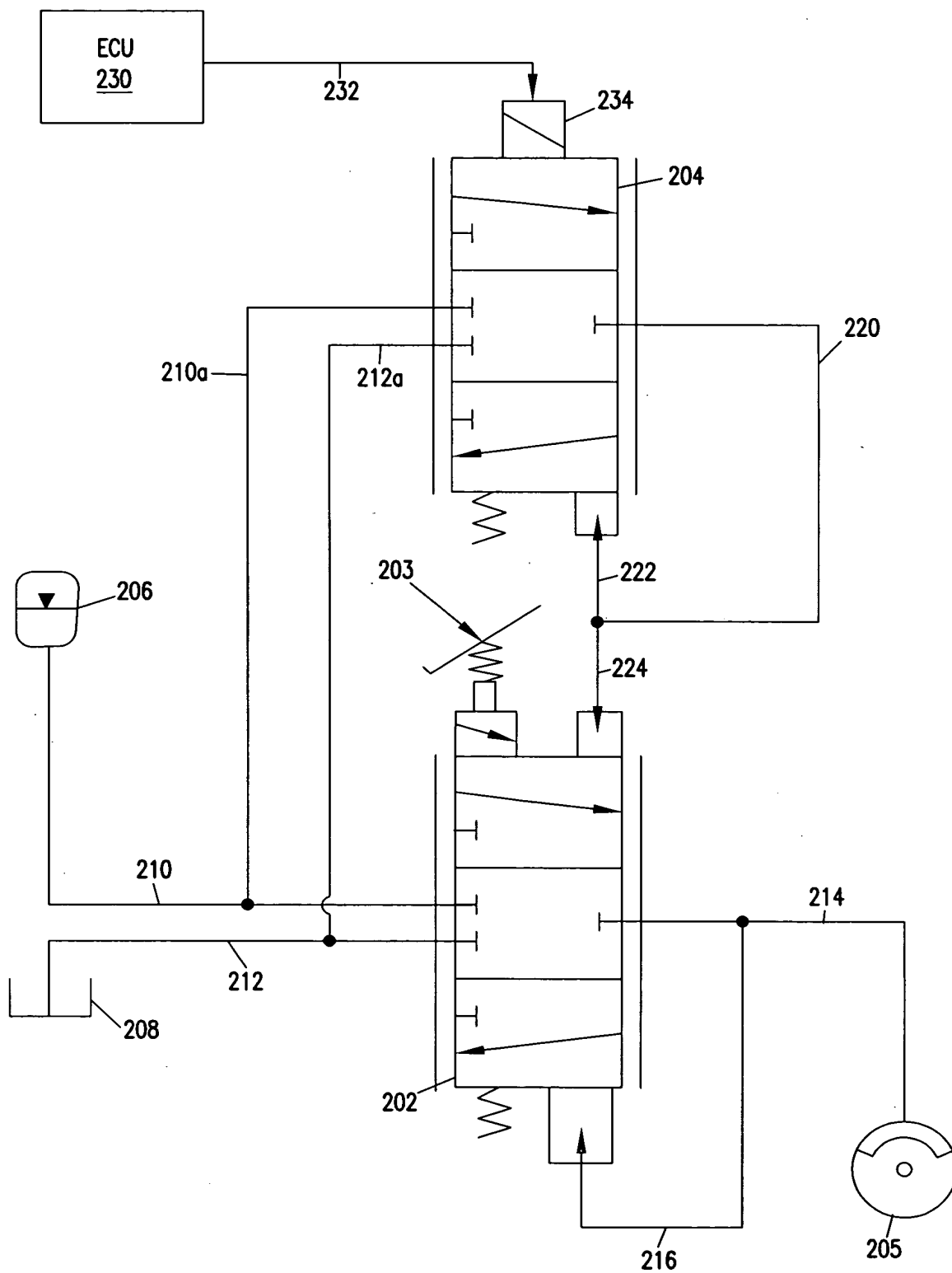




FIG. 9

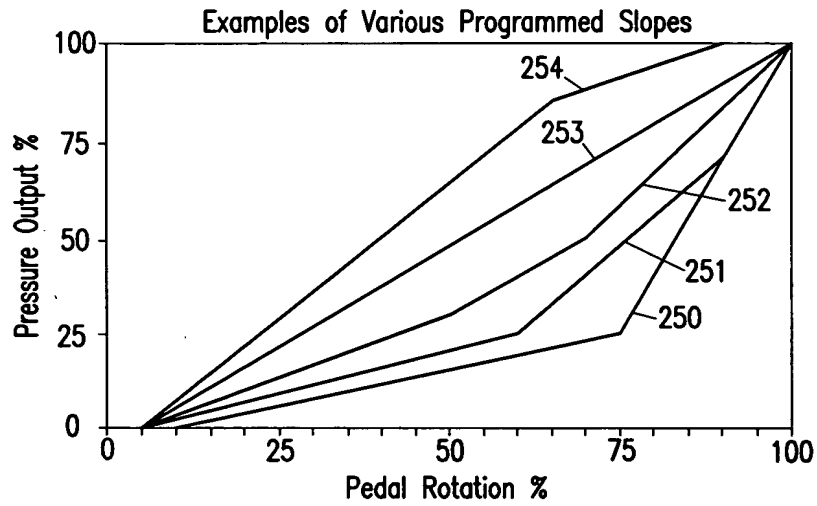


FIG. 10

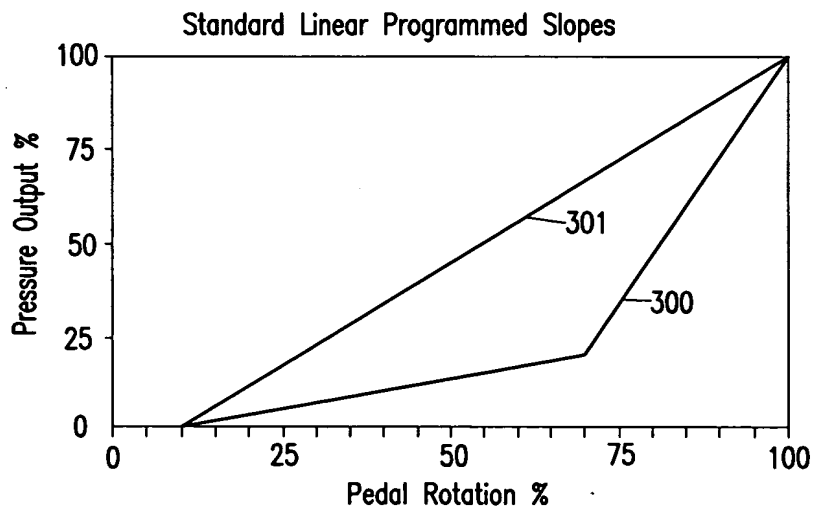






FIG. 11

Slope Adjusted for Higher Speed

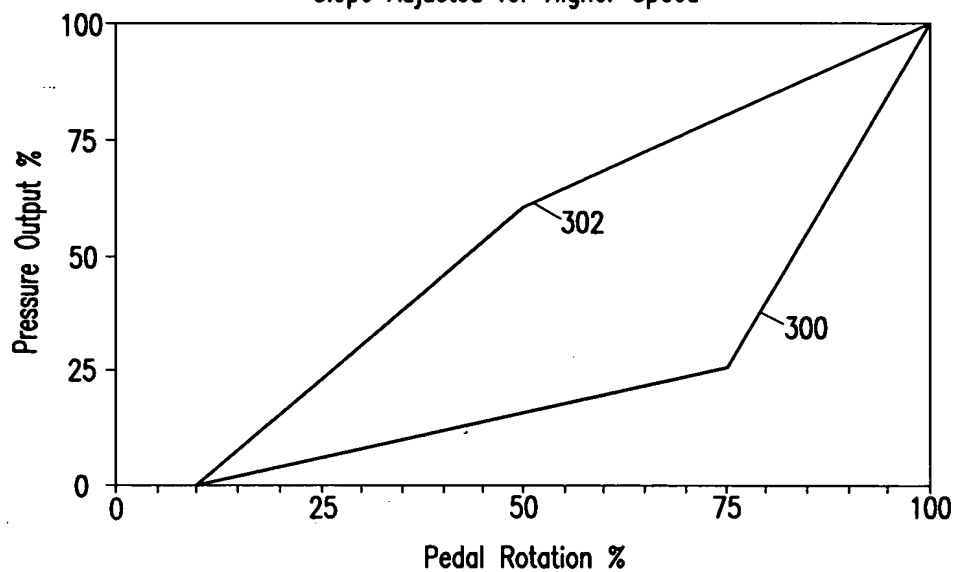


FIG. 12

Slope Adjusted for Lower Speed

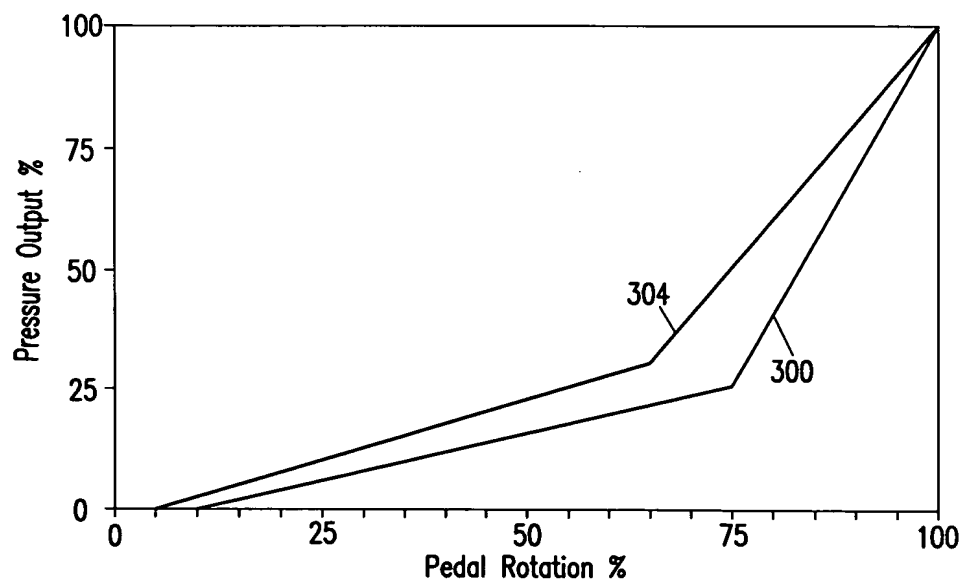




FIG. 13

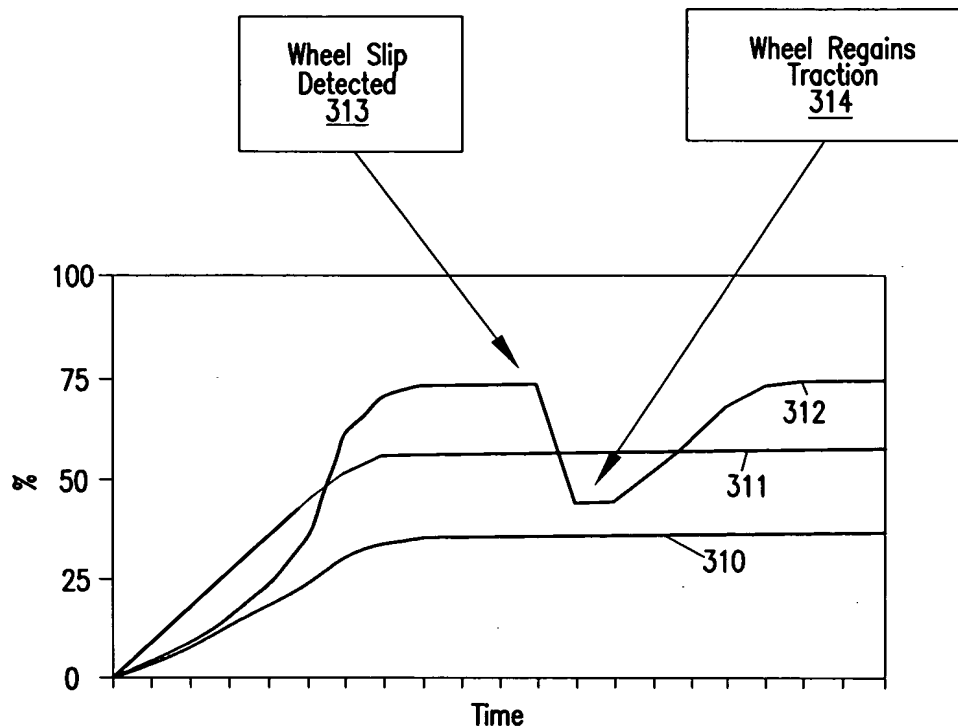


FIG. 14

